

REMARKS

Claims 16-30 replace claims 1-15.

The rejection of the main claim by U.S. Patent No. 4,607,393 to Nolde should be reconsidered. The main claim includes the essential feature that the frequency changer is of the zero or near-zero intermediate frequency type, whereas Nolde discloses a frequency changer which converts the signal received from the aerial to a standard intermediate frequency of 10.7 MHz. Thus, Nolde fails to disclose a frequency changer of the zero or near-zero intermediate frequency type.

Moreover, the main claim defines as essential features that the frequency changer has an oscillator arrangement comprising first, second and reference oscillators. Nolde discloses an arrangement in which the frequency changer has only first and second oscillators (correctly identified by the Examiner as elements 7 and 11 in Fig. 1 of Nolde). In particular, Nolde explicitly discloses that there is no reference oscillator in his frequency changer. Instead, the second oscillator is phase-locked to a pilot signal extracted from the received signal by the frequency modulation (FM) demodulator (element 3 of Fig. 1 of Nolde). Thus, it is an essential feature of the Nolde disclosure that the frequency changer does not contain a reference oscillator. This is contrary to main claim 16 of the instant application in which the reference oscillator is an essential feature within the frequency changer.

Thus, Nolde fails to disclose at least two of the essential features defined in the main claim 16 and cannot therefore anticipate this claim.

It is respectfully submitted that the arrangement defined in claim 16 deals with different problems from Nolde and achieves advantages which Nolde does not achieve. The disadvantages which are overcome by the present invention are described on pages 4-5 of the

specification and the advantages provided by the invention are described in the paragraph beginning at page 8, line 5 of the specification. These advantages are further described in the passage beginning at the fifth line from the bottom of page 11.

Given that claim 16 (and claim 30) defines an invention which is novel and inventive over Nolde and all of the other prior art of which the applicants are aware, it is not necessary to comment on the Examiner's objections to the other claims, which are all dependent directly or indirectly on claim 16.

Allowance of claims 16-30 is respectfully requested.

The amended Figs. 1-5 in the Appendix include arrows depicting signal flow as well as the legend "*Prior Art*" for Figs. 102, as required.

Wherefore, a favorable action is earnestly solicited.

Respectfully submitted,

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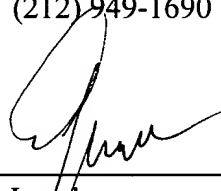
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1 / 5

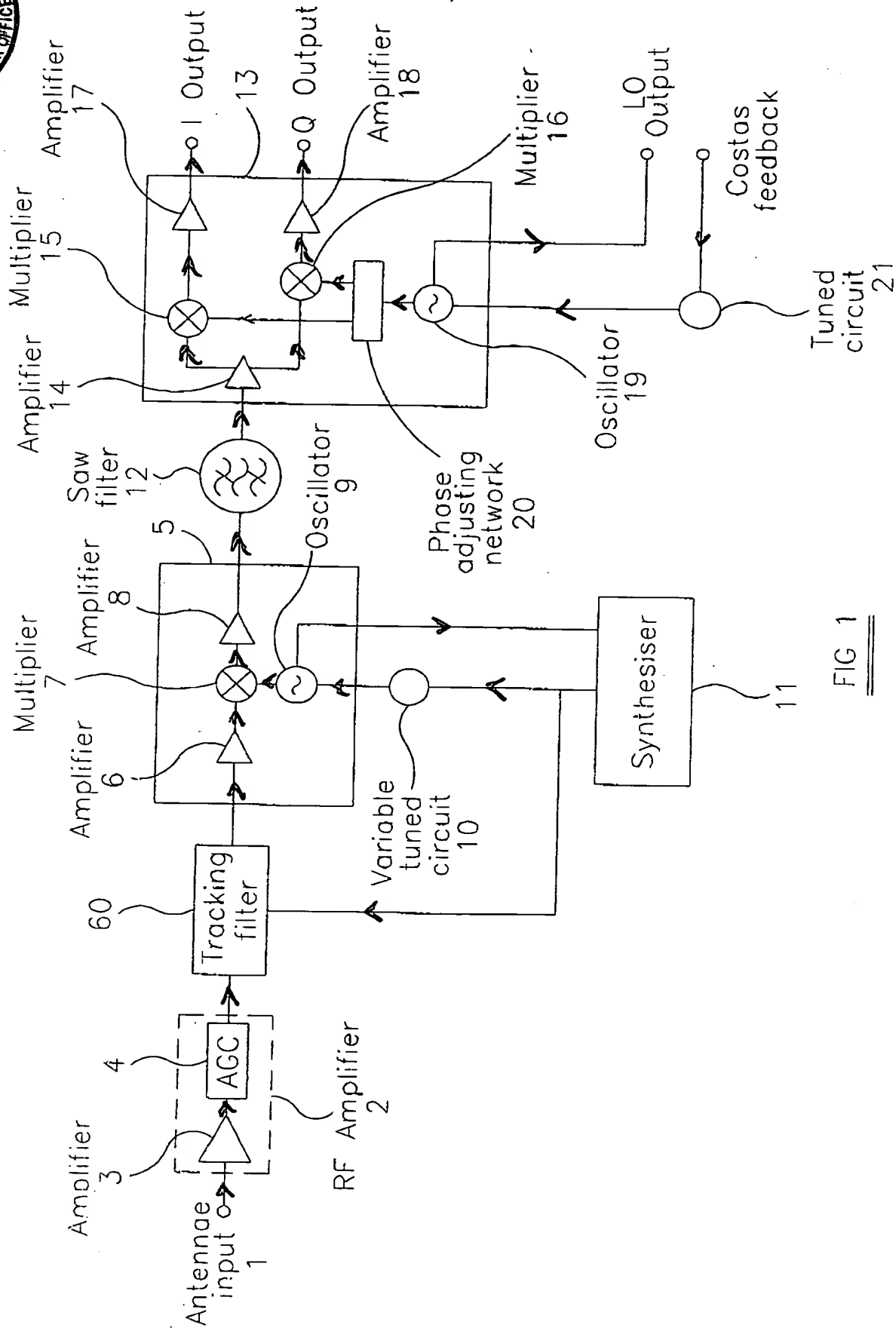


FIG 1

Prior Art



2 / 5

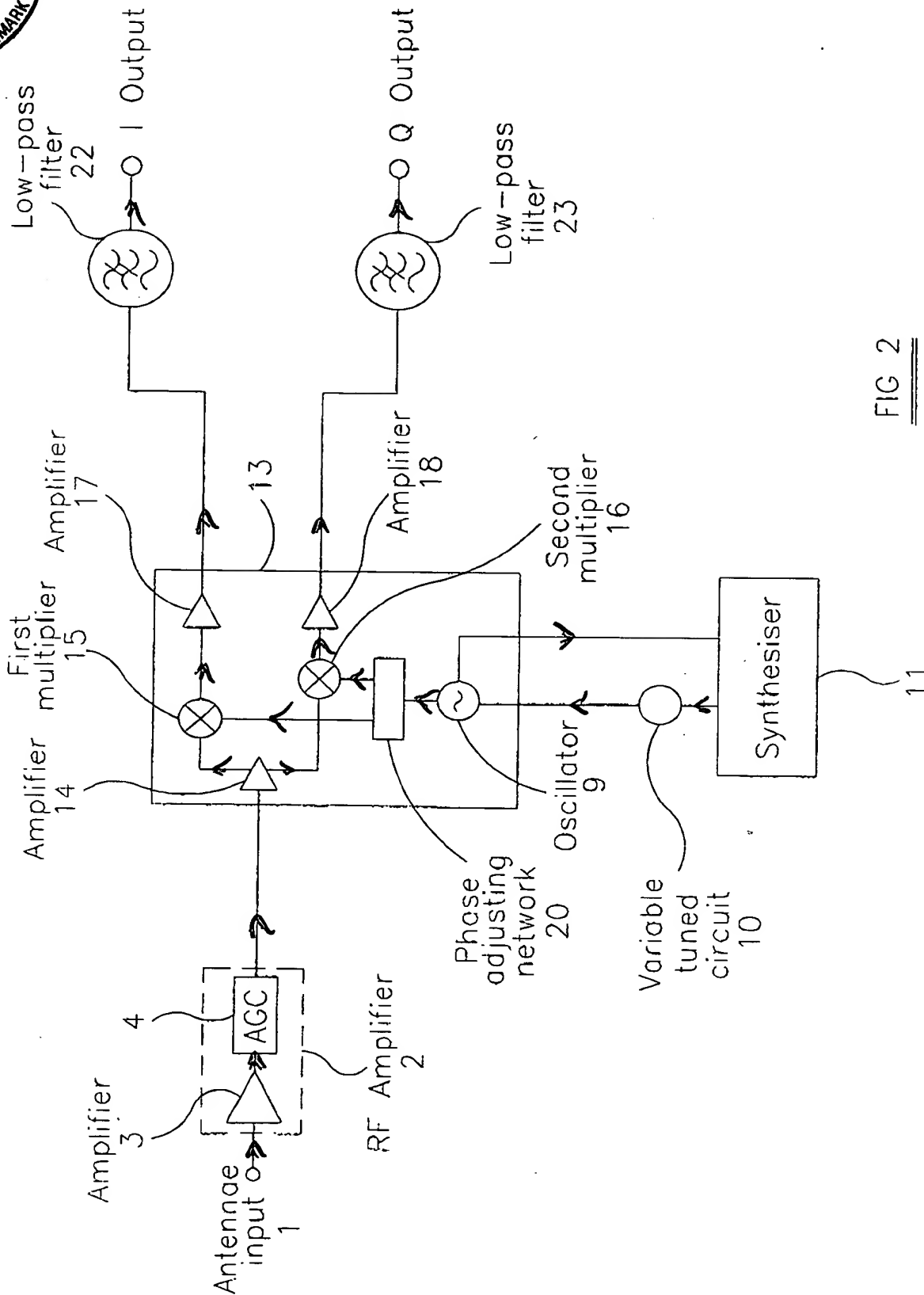


FIG 2

PROC ARR



3 / 5

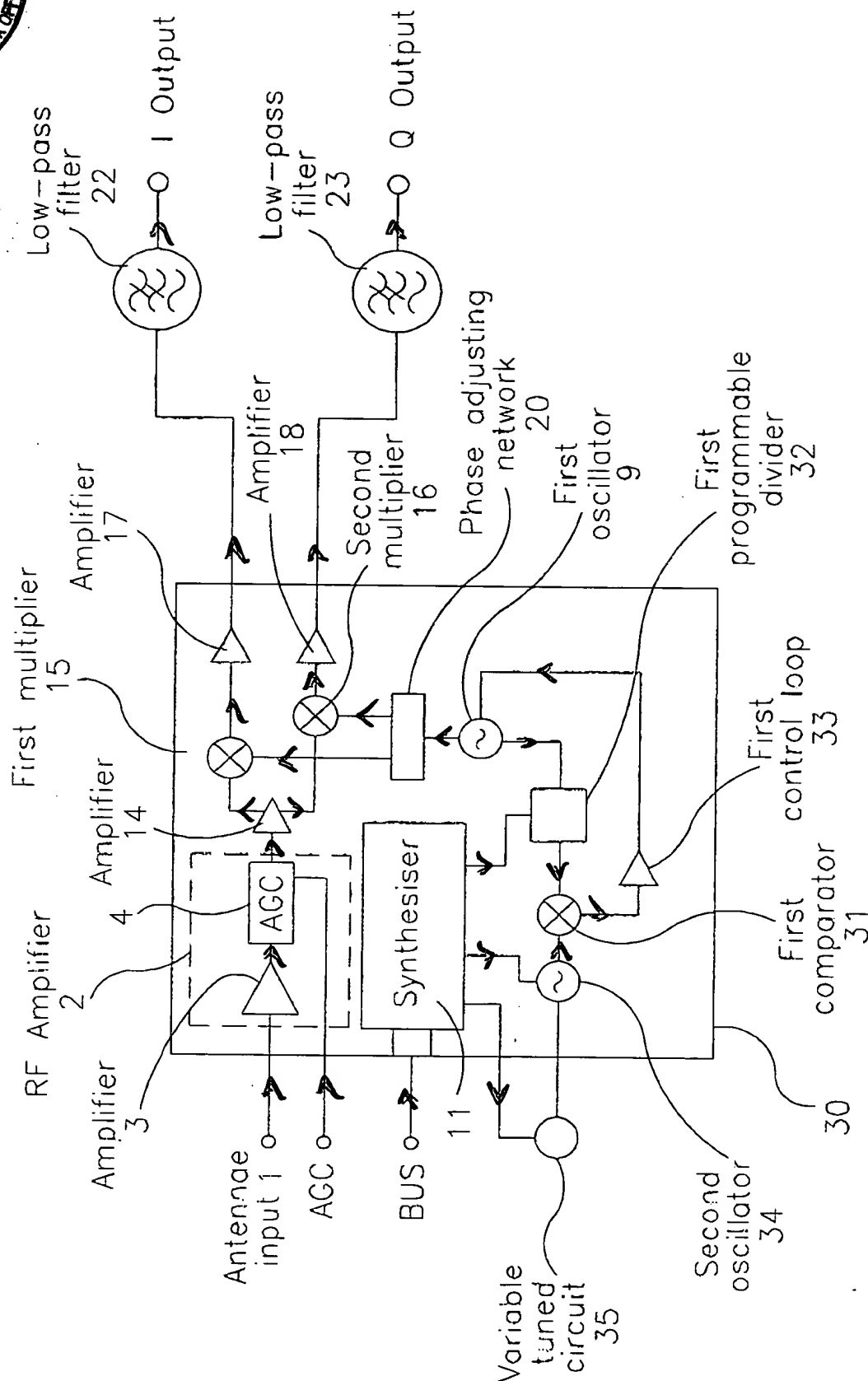


FIG 3



4 / 5

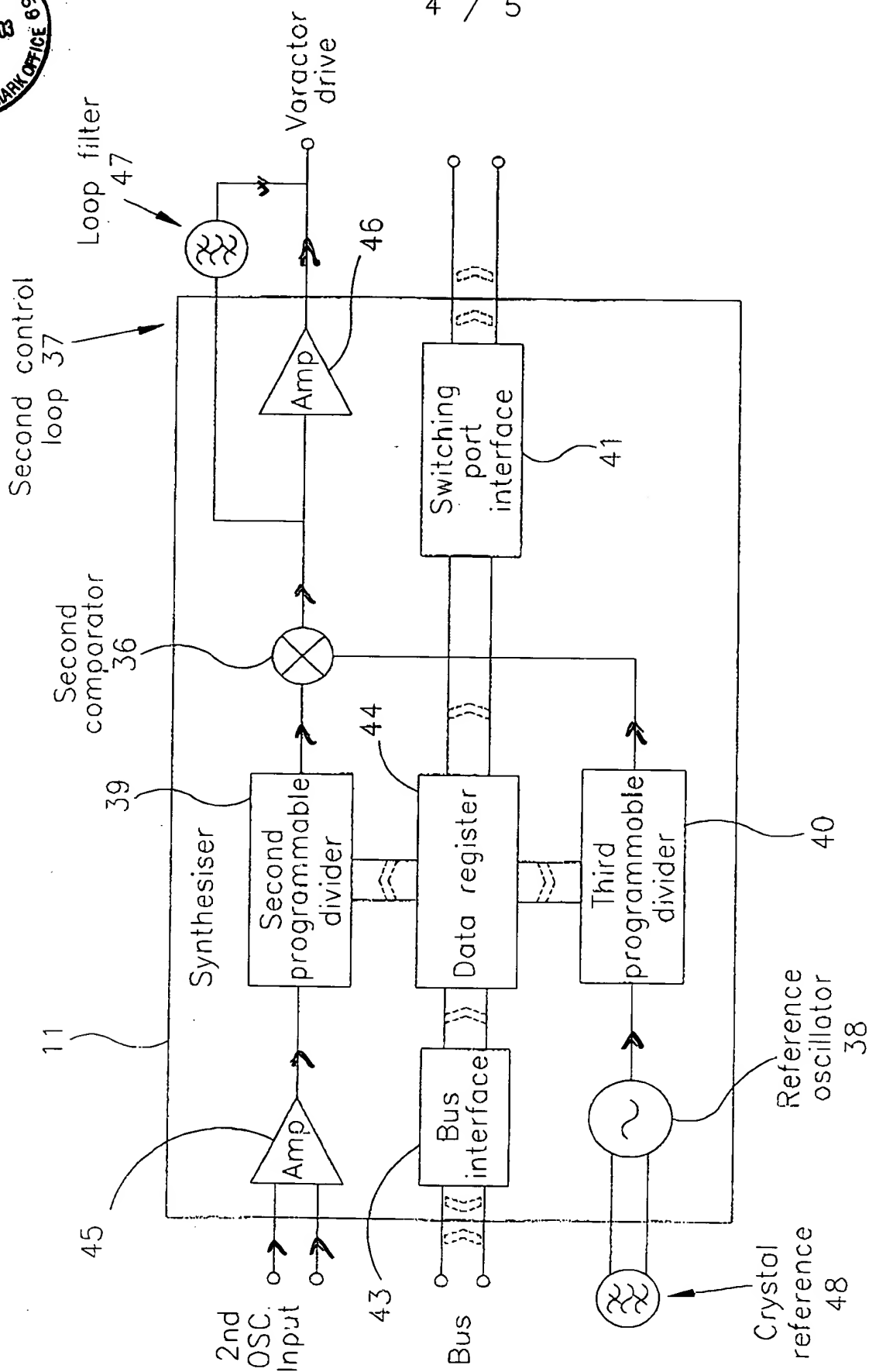
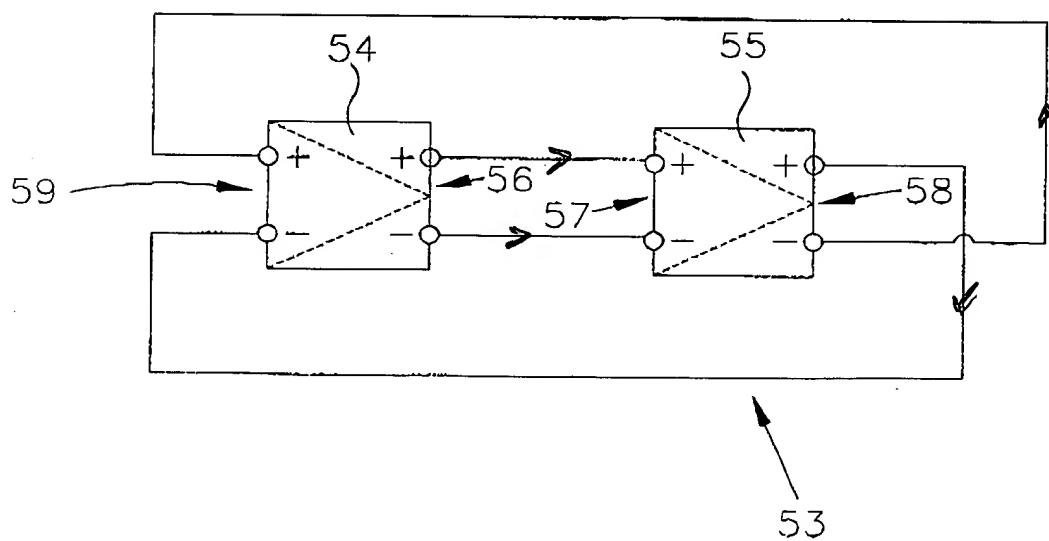
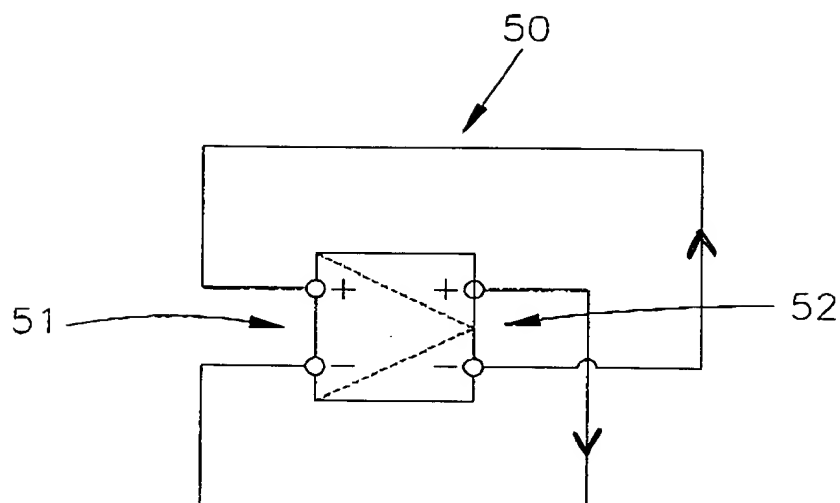


FIG 4

5 / 5

FIG 5